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Data Visualization With Power BI

Vishal Padghan (Great Learning)

Offerings Of This Course

01

BI and Data Visualization

03

Power BI Installation

02

What is Power BI?

06

Power BI DAX

03

Power BI Components

07

Visual Analytics

04

Building Blocks Of Power BI

08

Power BI Visuals/Charts

What Is Business Intelligence?

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What Is Business Intelligence?

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Business Intelligence Features

Better Business
Understanding

Decision Making

Quick navigation

Instant Answers

Phases Of Business Intelligence

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Phases Of Business Intelligence

IT Dependent

Analyst

End User

What Is Data Visualization?

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What Is Data Visualization?

Design

Information Science

Data
Visualization

Communication

William Playfair
(Geometric Charts 1781)

Explored exports from seventeen countries to Scotland

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Data Visualization Tools

Data Visualization Tools



tab|eau®

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What Is PowerBI?

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What Is PowerBI?

From connection to collaboration, PowerBI is the most powerful, secure and flexible end-to-end analytics platform for your data.

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Apt Visualizations

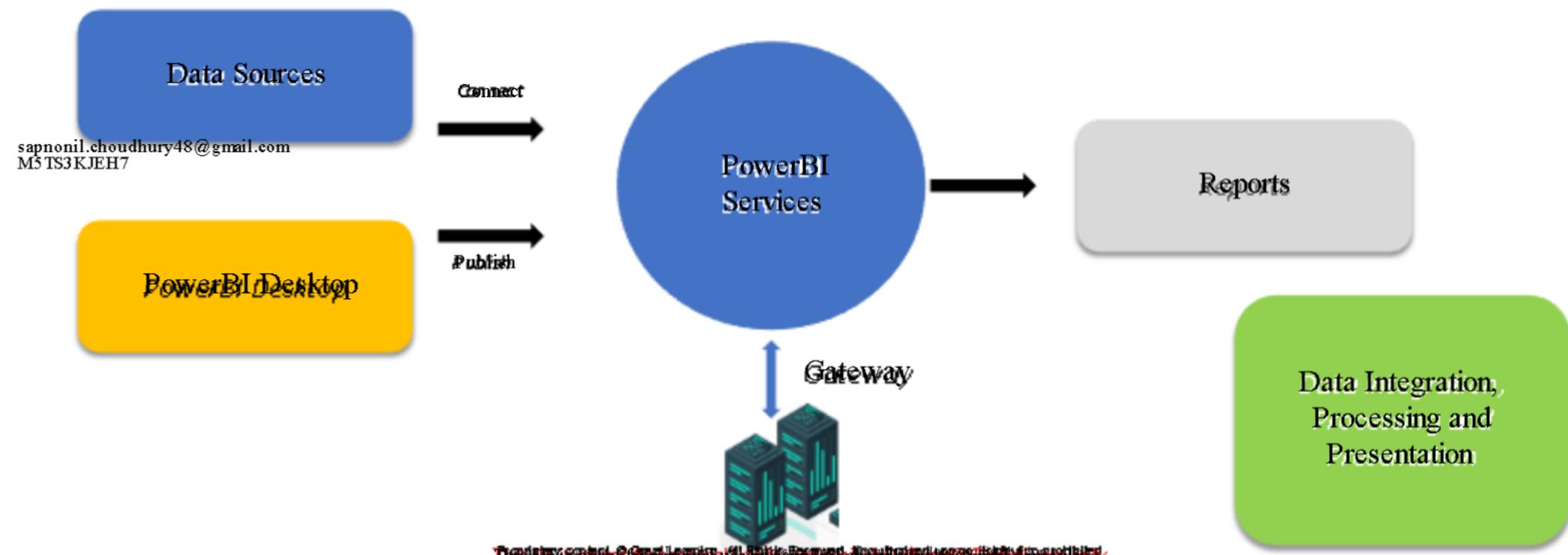
Depth

Automatic Function

Connection To Data



PowerBI Architecture



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Components Of PowerBI

Components Of PowerBI

Power Query

Power View

PowerBI QNA

Power Pivot

Power Map

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Building Blocks Of PowerBI

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Building Blocks of Power BI

Visualizations

Dashboards

Datasets

Tiles

Reports



PowerBI Reports

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PowerBI Reports

It is a multi-perspective view into a particular data set with visualizations that represent different findings and insights from that a set. A report may be a single visualization or pages full of visualizations.

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PowerBI Dashboards

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PowerBI Dashboards

It is a single page, also known as a canvas, that uses visualizations to tell a particular story. It is limited to one page, and a point note is that a good dashboard contains only the important elements of that story.



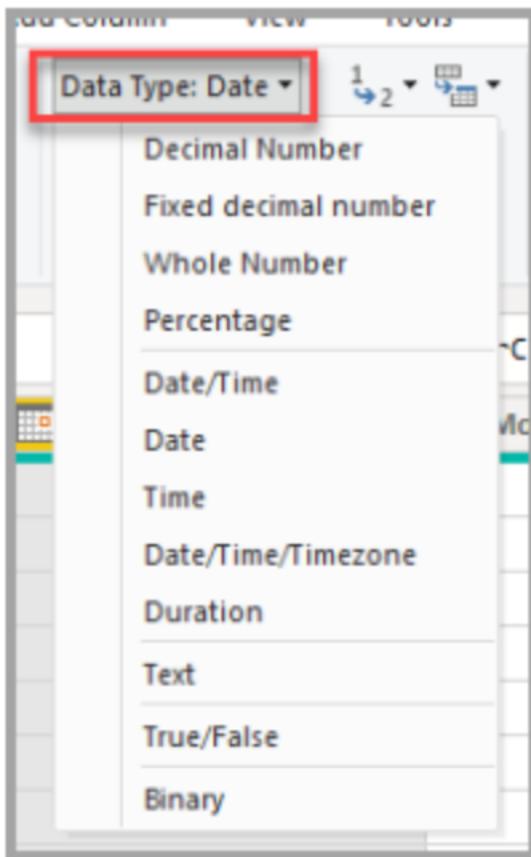
Demo: PowerBI Installation and Interface

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Power BI Data Types

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PowerBI Data Types



PowerBI DAX

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PowerBI DAX

DAX is a collection of functions, operators and constant used in formulas, to return one or more values. It is a native formula and Query language by Microsoft.

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Functional Query
Language

Deals with
relational data

Performs
Aggregations



PowerBIDAX

Syntax

Context

Function

Measure = Function(Table Name (Column Name))



Visual Analytics

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Popular Cloud Service Providers



Question and Answer Time

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Summary

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Power BI Visuals Charts

Thank You

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